



WILLIAM B. HARRIS, a member of the Board of Governors since 1966, has been elected Vice-Chairman of the Board, succeeding O. D. Vaughan, appointed Chairman last year. Mr. Harris, a Toronto business man, is a graduate of Trinity College (B.A. '53) and Christ Church College, Oxford (M.A. '55). He is a director of the Varsity Fund and a member of the Corporation of Trinity College. Mr. Harris was one of the Board's representatives on the Commission on University Government. His other interests include the Toronto Symphony Orchestra, and the Nature Conservancy of Canada, for each of which he is a director.

FORUM ON CUG

This new activity is in response to the CUG Programming Committee's call for a written debate on the CUG Report. The Committee invites members of the University Community, academic and non-academic, to submit brief statements concerning any of the issues raised in the CUG Report. These should be addressed to the Editor of the Bulletin or the Editor of The Varsity. Both periodicals are co-operating in the Committee's important effort to stimulate discussion. Material submitted to one paper will be made available to the other, unless the writer specifically requests that it appear in only one paper.

Robin S. Harris

My seventeen year old daughter tells me that the dawning of the Age of Aquarius will commence a few days from now. She also says that the dawning period is an extended one, lasting for approximately ten years.

Clearly the transition from the bad old University of Toronto of the mid-1960's to the brave new one envisaged by the CUG report is not one that is going to happen overnight. Equally clearly, the movement is already underway — the dawning of our Aquarian Age dates at least from the appointment of the Macpherson Committee, and the changes represented by the New Program in the Faculty of Arts and Science demonstrate that the consequences will be both brave and new. Macpherson was not a false dawn, neither was Campbell, nor is CUG. It all takes time. Probably it will take a minimum of ten years.

This should neither surprise nor discourage us. What we are asking for after all is something approximating the ideal and this for a working group of over 25,000 fallible human beings. Ours is to be a university in which 25,000 persons

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President's Council, ATS Council debate U of T budget procedures

A special meeting of the President's Council was held in the Council Chamber of the Galbraith Building on Wednesday, February 11, 1970.

Present: Mr. Sword, Dr. Bissell, Dean Allen, Dean Chute, Professor Friedland, Professor Greene, Dean Ham, Dr. Hamilton, Mr. Hermant, Mr. Rankin, Professor Rapson, Professor Rooney, Mr. Ross, Dr. Sirluck, Professor Spencer, Mr. Stone, Dr. Wightman and Professor Wilson; and Professor Forster and Miss Robertson.

Visitors: The Council of the Association of the Teaching Staff, headed by

Professor J. M. Rist, President, and Professor L. W. Sumner, Chairman of the Salary Committee.

Mr. Sword introduced the subject of the meeting, which had been called because of an exchange of letters between the President and Professor Rist, copies of which, together with Professor Sumner's paper, had been circulated to the President's Council. At an earlier discussion, the President's Council had agreed with the President that the ATS resolution requesting negotiation and arbitration of academic salaries had profound implications for the government

of the University which the ATS probably did not realize, and this meeting had been called to explore and try to resolve the differences as quickly as possible.

Professor Sumner summarized the ATS point of view in favour of an arbitration procedure. They believe that the present budget procedures have produced stagnation of academic salaries on this campus, to the extent of both a decline in the percentage of the budget devoted to academic salaries and a worsening of Toronto's position in relation to other Canadian universities. They think that the only right system is one of negotiation followed, if necessary, by arbitration. This will necessitate the opening of the whole University budget to the ATS so they can justify their proposals in relation to all other parts of the University. They hope that negotiation of salaries in this light is generally acceptable, and that the difference of opinion is over the procedure to be followed if agreement is not reached. The ATS favour arbitration by a person or persons acceptable to both parties, the decision to be binding on both parties.

It was soon apparent that all members of the President's Council did indeed favour giving maximum budget information to the ATS Salary Committee, but they were not all assured of the merits of the case for negotiation and arbitration.

Mr. Rankin challenged the rationale for reserving a constant percentage of the budget for academic salaries, saying that this is impossible to maintain in the face of the many new facilities that go into the operation of a modern university—for example, thirty million dollars worth of computers in the last few years which must be supported adequately in rent, maintenance and personnel. He said it was true that the academic salaries percentage has declined, from 50% in 1909 to 43% in 1968, but that the decline has been almost imperceptible during the last few years. In any case, this decline refers only to the full-time portion of the staff; during the same period the percentages both of part-time academic and of non-academic staff in academic departments have increased slightly. Mr. Rankin also pointed out that considerable sums had had to be spent in recent years for such things as expanding the power plant and up-dating electrical equipment. These expenditures are un-

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ATS rejects proposal that elected academics dominate CUG committee

At a Special General Meeting of the ATS on March 2 a motion that "The ATS recommends that in the event any university-wide body is constituted to make recommendations on the subject of a reformed governing structure for the University, the elected representatives of the academic staff shall number no less than half the total membership of such a body and no veto over recommendations shall be given to any group" was defeated by a vote of 23-38.

MARCH 12 DEADLINE

University of Toronto Bulletin is published by Department of Information, Room 225, Simcoe Hall. All material for the next issue should be in the hands of the editor, Mrs. Winogene Ferguson (928-2102) by noon today. The next editorial deadline is noon, March 12.

Committee on discipline reviews Campbell report

Since its first meeting in mid-December, the Implementation and Programming Committee of the Campbell Report on Disciplinary Procedures has discussed and studied a wide variety of ideas as to what, how and when the recommendations should be carried out.

The members of the committee—five professors and five students—have voiced varying opinions concerning the wisdom or otherwise of the Campbell committee proposals, and some have offered alternatives. They are now holding public hearings in order to obtain as broad an expression of opinion as possible. The next one is on Wednesday, March 11, at 11 a.m. in the Senate chamber, Simcoe Hall, when the Chief Librarian and the engineering alumni will discuss their briefs.

Several University bodies have submitted their thoughts on discipline to the committee. The Department of Physics, for example, recommended that "consideration be given to the rights, appeal mechanisms, etc." of non-academic staff members "as soon as possible".

The Students' Administrative Council said in a brief that "on the whole we give the Campbell report our critical support . . . as a watershed document in the field of campus discipline", although it expressed misgivings about some sections of the report and "would have written others far less equivocally".

The Implementation and Programming Committee was appointed last fall "to initiate discussion, to formulate recommendations, and to facilitate implementation" of the report of the Presidential Advisory Committee on Disciplinary Procedures—the Campbell report—which was submitted to the President on Sept. 29, 1969.

Membership of the Committee, approved by Dr. Bissell on the advice of the organizations represented, consists of:

Association of the Teaching Staff—Prof. E. R. Alexander, Law; M. E. Charles, Chemical Engineering; J. E. Guillet, Chemistry; Trevor Lloyd, History; Stanley A. Schiff, Law.

Graduate Students' Union—Michael Vaughan.

Students' Administrative Council—Wayne Hankey, Trinity; Michael Scherk, University College; Peter Beyer, Innis.

Association of Part-time University Degree Students—Kurt Loeb.

The members decided that Robin Ross, Vice-President and Registrar, should be non-voting chairman as well as secretary. At the first meeting, on Dec. 10, the minutes report that the committee "agreed that its work should result in more than just another report

to the President. It was hoped that some changes at least could be effected directly by the committee. Some members felt very strongly that unless they were to be involved with implementation, rather than just discussion, the committee would be a waste of time."

On the matter of consultation by committee representatives with their constituencies, "it was generally agreed", the minutes report, "that there should be a regular dialogue in order to avoid a situation in which the principles established by the committee would collapse when referred back." Because they were working toward actual implementation "they would be, to a somewhat greater extent (than were the members of the Campbell Committee) bound by their constituencies, and there should therefore be more consultation."

First Item of Business

Mr. Ross reviewed previous attempts to form an interim university-wide disciplinary body, which, the committee agreed, should be their first item of business. The first attempt had collapsed in September. The second effort, made after the publication of the Campbell report, had ended in an impasse over the method by which the members would be chosen. The minutes record a general discussion of the possibilities of forming an interim body that would have general acceptance.

"The suggestion was made that, pending the formation of a new governing structure and a new judicial structure, the powers of the present Caput be extended, but that the Caput adopt the kinds of standards embodied in the Campbell Report, particularly with regard to the process of mediation.

"It was pointed out that, in the absence of legislation made by some body in the University, the University found itself operating in a vacuum. Therefore the law would have to be developed by whatever tribunal was set up in a common law fashion. However, the common law took its roots from consensus in the community and it would not seem that such consensus was likely to extend between staff and students in all cases. In the absence of legislation, a danger was that the interim body would find itself setting precedents, particularly if in some instances it did not see fit to take any action."

The committee considered that to continue Caput with slightly altered powers would not be satisfactory because of its unrepresentative composition. (The Caput consists of senior academic and administrative officers, without student representation.)

The minutes report that "the commit-

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Committee to implement discipline holds hearings

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tee had a number of avenues open to it: (1) attempt to reconcile the two groups (students and faculty); (2) continue with the Caput; (3) set up a court system; (4) try to establish a consistent set of rules. The committee agreed that the first possibility might be the best. . . . The difficulty with this was that the composition of the body depended on what it was to do."

A suggestion that met with general approval was "that faculty and students be divided into constituencies for the purpose of choosing representatives to a representative body."

Disruptions the Block

At the next meeting, the committee "generally agreed that the block to setting up the interim body was the whole question of what should be done in the event of disruptions." It was pointed out that the Campbell Report "had not reached agreement" on such matters as classroom disruptions.

Michael Vaughan submitted a proposal for an interim reconstitution of the Caput, which, he suggested, would be composed, as previously proposed, of representatives of the ATS-10; SAC-6; GSU-3; APUDS-1, to be chosen by lot. "The need for a reconstituted body does not arise out of any criticism of the actions of the existing Caput", he said. "Indeed, Caput must be commended for its excellent record. . . . (But) the unrepresentative nature of Caput places the campus in an extremely explosive situation if Caput is forced to act in a case of campus insurrection." A reconstituted Caput with student representation would inherit its present "full authority to deal with all disciplinary cases brought before it".

Prof. Guillet also submitted a proposal for an interim body to replace the Caput. Until the Campbell Report is implemented, he said, "any body undertaking the function of an interim Caput must be both legislative and judicial". He suggested the body consist of the President, as non-voting chairman; the presidents of ATS, SAC, GSU, APUDS, the Dean of Arts and Science, and the Dean of Law.

"It is understood", he said, "that it will take action only in cases where all the other disciplinary procedures now available to the University have been ineffective." He pointed out that his interim Caput would consist of equal numbers of students and staff, four of the six voting members would be elected representatives of their constituencies, and be a body that "would combine responsibility with authority."

Discipline over Staff

As a test of the opinion of the committee members rather than as a firm recommendation, Prof. Guillet, seconded by Prof. Charles, moved that the committee "recommend that a body be set up to replace the Caput having the composition" he proposed. The motion was adopted by a vote of eight to one, with one abstention. "It was agreed", the committee minutes say, "that the present jurisdiction of the Caput be expanded to include the discipline of members of staff".

At the next committee meeting, Prof. Schiff put forward his idea for an interim disciplinary body "which was an attempt to reduce the appearance of ideological commitment while retaining the representative nature of the body." There would be a membership of 20:10 (or more) faculty members elected on a constituency basis; 10 (or more) students—six undergraduates, three graduates; one part-time degree student. Separate panels would be chosen for each case—five faculty and five students chosen by random lot from the elected members; five faculty and five students chosen by random lot from the whole University, with a non-voting chairman, possibly nominated by the Faculty of Law Council.

"Members of the committee", the minutes report, "had attempted to test opinion in their constituencies on the Guillet proposal. There was no definite reaction from the ATS, but various criticisms were put forward by indi-

vidual members of the SAC and members of their executive."

The minutes continued:

"It was submitted that until there was a reform of the policy-making structures in the University it was virtually impossible to set up a disciplinary body. . . . It was submitted that the Caput inspired more trust as a judicial body than the new one proposed. There was a feeling among student members of the committee that it was an illegitimate body, but this fact would serve to keep up the pressure for change. It was proposed that the committee pass a motion recommending that the Caput continue until new policy-making bodies were set up in the University. The motion was not put in final form and the committee agreed to consider it further. The chairman informed the committee that the Caput had already considered certain new procedures, such as the holding of open hearings and the addition of students to its membership. It has been proposed that members of COPOUT (presidents of faculty and college student associations) be invited to join them."

'SAC not interested'

At the next meeting, Prof. Guillet said that "SAC was not interested in having a solution to the interim disciplinary problem because they wished to maintain pressure for reform with respect to CUG recommendations. . . . what the SAC was really saying was that they wished to maintain the threat of force to ensure that decisions were not made that they would object to."

Although he agreed with Prof. Guillet, Prof. Schiff said nothing was to be gained by waiting to hear from SAC. "The SAC action was an about-face from their position taken during the disciplinary crisis when one of the six demands was for an interim disciplinary body. He judged that this astonishing shift of position was due to a reassessment of the political atmosphere."

Mr. Hankey expressed surprise at "the self-righteousness displayed by the faculty". He objected to the proposal on principle, not for political reasons. He and Peter Beyer denied that SAC had changed its position.

Prof. Guillet, seconded by Mr. Hankey, moved for a two week postponement of the discussion of an interim body. The motion was adopted by a vote of six to four. That ended, temporarily, the discussion of that subject and the committee turned its attention to the Campbell report itself.

There was general agreement, the minutes state, that one of the major assumptions of the Campbell Committee had been that there would be meaningful participation by students and faculty in formulating new disciplinary rules. In a discussion of the *loco parentis* doctrine, the view was "strongly expressed that students should be treated like any other citizens and not protected from the force of the law. It was at the same time acknowledged that the University could not give up all its legal responsibility".

As the discussion of the report began, "it was suggested that orderly performance of the University's various functions did not demand that there be rules and enforcement procedures for everything. . . . The committee might simply recommend general standards."

Detailed Study of Report

Examining the report page by page, the committee discussed, among many matters, these subjects:

Thefts from the library—"It was thought that these should be dealt with solely within the University. . . . since the courts were not likely to regard the theft of a book from the library with the same kind of seriousness that the University would regard it. . . . some offences should be dealt with by the University since they would be understood differently than in society generally. There was an argument for special treatment under some circumstances."

Mediation—The use of University tribunals "in relation to teaching and learning was inappropriate", said Prof. Schiff. Prof. Alexander thought the proposed system of mediation committees "was rather cumbersome".

Discipline and off-campus activities—" . . . for the sake of clarity it might be best to specify what was unacceptable staff conduct and what was unacceptable student conduct."

Centralization and decentralization—"Care should be taken in the division of jurisdiction between tribunals so that the situation would not arise where tribunals became involved in jurisdictional disputes. . . . Particularly in the Faculty of Arts and Science there was a question about who had jurisdiction over a student in relation to a particular offence. . . . the federated universities guarded their powers very closely and this made an added problem."

Discipline and the teaching-learning function—"It was submitted that the committee would have to decide what rights it thought students should have in determining what went on in the classroom and also whether teachers had any independence over the departments." Students, said Prof. Schiff, should be involved in the development of courses but not have a dominant or equal voice. Prof. Guillet objected to the term "teaching-learning", which came from the Hall-Dennis report and was inappropriate to a university. "The onus in the university was not upon the teacher to teach, but upon the student to learn by making use of the resources available to him." Prof. Schiff replied that in the professional faculties the teaching function was important.

Classroom discipline—Prof. Schiff suggested that "disruption was an offence and that this need not necessarily be recurrent disruption".

Residence committees on discipline—"The recommendation that expulsion from residence be the maximum penalty seemed too limited in scope to deal with some of the extreme cases that might arise."

Violence—It was proposed that it might not always be appropriate for incidents involving violence to be referred to the criminal courts. "The prospect of giving offenders a criminal record might make persons reluctant to lay charges. There were also some incidents, it was thought involving violence on campus, in which it would be more appropriate for the University to take some action. In such cases, it was recommended that the University Tribunal be powered to expel students."

Physics Department Brief

Late in February, the committee began to hold public hearings, at which individuals and groups who had submitted written briefs were invited to discuss them. One body which forwarded a brief to the committee was the CUG committee of the Department of Physics. It was as follows:

"This committee recognizes that the Campbell Committee excludes from their discussions the questions of the rights of non-academic employees of the University, and recommends that consideration be given to the rights, appeal mechanisms, etc., of this section of the University community by the appropriate body as soon as possible."

"This committee endorses the recommendations of the Campbell report on the composition of tribunals and believes that it satisfies the desire of members of the University community to be judged by their peers."

"This committee recommends that the selection of the nine staff members and nine students constituting a faculty, college, or divisional tribunal be by lot, using a computer."

"Subject to motions I, II and III, this committee endorses in principle the Campbell Committee report and recommends that steps be taken to implement the report as soon as possible."

The Brief from the SAC

A 5,300 word brief from the SAC was headed, "Students' Administrative Council Reply to the Campbell Report". The following are extracts from the brief:

"Any new disciplinary procedures which arise from the Implementation and Programming Committee's work should be flexible enough to permit the fullest and most effective challenges to

traditional university activities. They should also recognize that views of the university's functions are in a constant state of flux and that these changing conceptions must be accommodated. . . .

"The SAC sees the majority priority of the Implementation Committee to be discussing how the section on the classroom (in the Campbell report) can best be implemented. . . . then formulating relevant recommendations for the 1970-71 year. . . .

" . . . research activities of many faculty members have often interfered with the performance of other academic functions. As a result, time devoted to teaching has suffered. The 'publish or perish' syndrome in which many academics are caught is cause for great concern among students. The SAC feels that complaints of research activities interfering with other academic functions should be eligible for reference to a mediation committee; failing resolution there, the complaint could be carried to a college or faculty tribunal. . . .

"Benevolent despotism is perhaps a generous description of the pre-CUG university. And many would like to keep it that way. In the crunch, the only power students have to ensure their views lies in their numbers. . . . small groups have justifiably used obstructive actions to raise issues which could not have been given an effective hearing any other way. Such action has spurred other students and faculty to take a stand on the issue concerned. . . . we would hope acts of civil disobedience would be signals to the university community that a problem exists that must be examined, not simply that the normal processes essential to the functioning of the University are being obstructed. . . .

On the Use of Force

" . . . simply because property destruction has occurred is no reason for the University community not to examine the substantive issues or causes of that act, and is no reason that such causes cannot affect any penalties assessed. . . . We would agree that the decision to use force should occur only after other reasonable alternatives have failed, and that this decision should be made by the democratically constituted governing body. We would go further and suggest any such action must be approved by a concurrent majority of both the student and faculty segments of the governing body. We would extend this procedure to all requests for outside intervention in the name of the University. . . .

"We feel the only time a criminal case should be eligible for hearing before both civil courts and University tribunals would be if the criminal offence severely interfered with the University's academic function, such that it could legitimately be called both a criminal and an academic offence. . . .

"From the outset we question the viability of selection by lot, as proposed in the report for certain tribunals (divisional and Faculty of Arts and Science). . . .

"Though we appreciate that one year contracts (of non-tenured faculty members) are normally often not renewed for good cause, we feel that given a situation so serious that a faculty member sees fit to level charges (in the appeal machinery) . . . any such investigation should have as an understood framework that all concerned must prove their case. That is, we would see the obligation equally on the administrative official or staff-student personnel committee to show cause for not renewing the faculty member's contract, as the burden of proof would lie on the aggrieved faculty member to prove his charges. . . .

"The SAC welcomes the hint in the Campbell report that faculty members will at last be eligible for fines (for overdue library books), which is only fair considering the large fines students can be charged. . . .

" . . . reform of the disciplinary procedures here requires that reform of the decision-making processes occur along with it. The Campbell report cannot be seen in isolation from the question of legislative reform."

LIBRARY NEWS

Library Holding Survey

According to the annual Survey of Libraries at the University of Toronto, in 1968-69, the libraries added 284,716 volumes excluding non-book items to their collections bringing the total holdings count to 3,087,983 volumes, 6,459 manuscript titles, 414,080 microtexts, and over 130,000 other non-book items. On a comparative basis, the Association of Research Libraries has ranked Toronto among other North American academic libraries as first in the number of volumes added, and ninth in total size of collections.

Appointments

As of July 1, 1969, Ritvars Bregzis has been appointed associate librarian (Systems and Technical Services); David Esplin, associate librarian (Book Selection and Acquisitions); Donald Smith, assistant librarian, Technical Services; and James Feeley, research assistant to the chief librarian.

On December 1, 1969, Herbert C. Sholler (assistant librarian, Science and Medicine and acting assistant librarian, Humanities and Social Sciences) was appointed to a newly created position: associate librarian (Reader Services). Mrs. Maureen Hutchinson became assistant to the associate librarian (Reader Services). Mr. Sholler is now responsible for all the public service departments: Circulation, Reference, Rare Books, Science and Medicine, as well as the Photocopy Services Unit and the Delivery Service, formerly under the jurisdiction of the Library Office.

Miss Eileen Bradley has been appointed

acting head, Science and Medicine Department.

CRL Acquisitions

The Center for Research Libraries in Chicago has acquired Jeffrey Race's collection of Vietnamese Communist material which he accumulated in Vietnam during 1967-68 while doing research for a book on the development of the communist revolutionary movement in Long An province. This material includes, in addition to about 80 documents, transcripts of interviews conducted by Mr. Race with South Vietnamese officials. A copy of the inventory of these documents is in the Reference Department in the central University Library, and items may be borrowed in microfilm on indefinite loan by this Library. This material supplements the Library's present holdings in this field, notably the digests of the *China Mainland Press*, available in the Government Publications Section of the Reference Department.

Librarians' Association

Partially as a reaction to the CUG Report, a Librarians' Association was formed in November 1969, for librarians in the University Library and in the faculty, departmental and college libraries. Out of the approximately 220 possible members, 134 had joined by February 1. The members elected to the executive are James Feeley, president; Richard Landon, vice-president; Miss Barbara Cunningham, secretary; and Mrs. Gail Wilson, treasurer. The association has concerned itself mainly with the place of the Library and Library staff in the University and expects to sponsor future meetings on matters concerning the Library, the University, and the profession.

Toronto's role in Conference of University Computer Centres

A conference on the Computer Centre Within the Ontario University was held at the National Arts Centre, Ottawa, on Dec. 11 and 12. This meeting, the first of its type, arose from the work of the Subcommittee of Computer Services, Committee of Presidents of the Universities of Ontario.

The University of Toronto was represented by the Director of the Institute of Computer Science, Dr. C. C. Gotlieb, and three members of the ICS management staff, C. A. Ford, J. R. Swenson, and A. J. Wickens. John Leppik, until recently a special consultant to the Presidential Advisory Committee on Computer Policy and Planning, also attended and presented a paper.

Mr. Ford, Assistant Director of ICS, spoke on a panel discussing "Computer Centre Organizational Conflicts"; chaired by Dr. G. L. Keech of McMaster University. His presentation concentrated upon the special difficulties which arise in establishing "computer utilities" in the environment of the older and larger institution, effectively complementing papers representing the problems of creating a new computer centre in a smaller university and of managing the rapid growth of an established centre on an intermediate sized campus. R. Skilton, Brock University, and F. Simpkin, York University, were the companion speakers.

The concept of computer utilities has arisen, Mr. Ford said, from the tendency of computers to become more economic and versatile the larger they become. Problems arise in arranging these systems to make them serve a very wide community of users. Should very special user groups be provided with separate facilities or should centralization be enforced? What are the operational difficulties and how do the users judge the acceptability of a utility system? Mr. Ford's discussion of these points provoked considerable comment during the open questioning session which followed the formal presentations.

Mr. Leppik spoke about computer service pricing and user funding policies, on a panel which included Dr. J. F. Hart, U.W.O., Dr. D. J. McNaughton, Waterloo, and Dr. B. A. Gingras of N.R.C. The session, about "Computer Policies and Fallacies", was chaired by Prof. J. W. Graham, of Waterloo University.

Mr. Leppik's paper, representing viewpoints developed during the study he

carried out for the PACCPP, triggered off the most lively discussions of the entire conference. The Leppik scheme would concentrate the "power of the marketplace" into the hands of the users, to produce efficient use of university centres through competition with the burgeoning commercially available facilities. Users, however, would be obliged to seek real budget or grant funds with which to exercise their purchasing power. Neither users nor centre managers seemed eager to plunge into this new world, judging from the ensuing discussions.

Dr. Gotlieb provided revealing and often hilarious glimpses into some international aspects of the computational scene, speaking at the official dinner of the conference. His participation in the affairs of international computer societies, of NATO, and of the U.N. have permitted him to visit installations in both western and eastern Europe. Conflicting tendencies to copy American practices or to strike off in novel directions are evidenced in the technically more mature countries. Prospects for the development of new exchange programs were cited which, considered in the glow of Dr. Gotlieb's travelogue, brought gleams to more than one eye.

The conference properly concluded with panels discussing "Co-operative Ventures" and "Time Sharing". Useful technical ideas were exposed and the status of many interesting projects were revealed. The development of inter-university cooperation, an objective of the Conference, will surely benefit from the exchange of ideas provided by the formal sessions and by the new or renewed personal acquaintances which made the lunch and coffee breaks just continuances of the sessions.

Lakehead house exchange

Mrs. Joyce Mercy, 129 Hinton Avenue, Thunder Bay, Ontario, has written to the University of Toronto Housing Service to enquire if any University family would consider exchanging houses with a Lakehead University family for an agreed period during the vacation.

Mrs. Mercy says, "Although lacking the sophistication of a metropolis, Thunder Bay is beautifully situated at the head of the Great Lakes and could make a congenial centre for a family wishing to spend some time in outdoor activities."

Senate approves referendum on University Government

A summary of the Senate minutes for February 13, 1970, follows:

The minutes of the meeting held on January 9, 1970 were approved.

The Senate received the Annual Report of the Director of the Division of University Extension 1968-69 (total number of student courses 18,334; 8,064 degree courses; 482 diploma and certificate courses, 9,788 courses in Business, Engineering, Nursing and Special Programs).

The Senate received the Annual Report of the Director of the Office of Student Awards 1968-69.

The Senate approved the Report of the School of Graduate Studies concerning the recommendations for conferring of degrees for 135 students in the School of Graduate Studies. (Ph.D. 34; Phil.M. 1; M.A. 29; M.Sc. 35; M.A.Sc. 24; M.Eng. 5; M.Ed. 1; Ed.D. 2; M.L.S. 4.)

The Senate approved the Report of the Faculty of Medicine concerning the recommendations for the conferring of the Bachelor of Science (Medicine) degree for 3 students in the Faculty.

The Senate approved the changes to the course of study and calendar for the session 1970-71 in the Faculty of Arts and Science.

The Senate approved the Report of the Committee on University Extension, including the formation of an executive committee for the Division of University Extension.

The Senate approved the Report of the Committee on Scholarships and Other Awards. (36 new awards established; 19 awards amended; 10 awards terminated. Total value of new awards \$30,000; of withdrawals \$4,000.)

The Senate approved the Report of the Committee on University Ceremonials outlining the Spring and Fall convocation scheduled for 1970.

The Senate approved the Report of the Senate Steering Committee on CUG which proposed that a referendum be used to arrive at an expression of view by the Senate. The text of the referendum will be based on suggestions, questions and proposals submitted to the Steering Committee by the members of the Senate.

STAFF NOTES

Arts and Science

DR. DAVID R. HUGHES attended a Canadian International Biological Program workshop entitled "Systems Modelling in Ecosystem Studies" held at the Institute of Animal Resources Ecology, University of British Columbia, Jan. 22-24, and addressed the members on the Canadian I.B.P. Human Adaptability Project at Igloolik, N.W.T.

PROF. S. VAN DEN BERGH gave a colloquium on "The Time Scale of Creation" in the Department of Astronomy, University of Western Ontario, Nov. 13. He also attended the Greenstein "Memorial" Symposium in Pasadena, Jan. 12-13, and observed on three nights at Palomar Observatory.

PROF. R. F. GARRISON gave a colloquium on "Some Characteristics of Peculiar B-Stars" at Harvard College Observatory on Nov. 13, and to the Department of Astronomy, Ohio State University on Dec. 5. During December and January he has been observing at Mount Wilson Observatory and at Cerro Tololo Observatory in Chile.

The following attended the New York meeting of the American Astronomical Society, Dec. 9-11, presenting papers as indicated: PROF. S. P. S. ANAND, PROF. J. D. FERNIE, PROF. R. F. GARRISON ("Some Characteristics of the Peculiar B-Stars with Colour Spectrum Discrepancies"), PROF. J. PERCY ("Short-Period Light Variations in Stars in h and chi Persei"), PROF. S. VAN DEN BERGH ("The Extra-Galactic Distance Scale").

PROF. D. A. MACRAE, as chairman of the Council of Representatives of the Space Research Association, was one of the speakers at the Dedication of the Lunar Science Institute in Houston on Jan. 4. He also addressed the Ottawa Centre of the Royal Astronomical Society of Canada on "Lunar Research" on Jan. 27.

PROF. D. P. KERR chaired a colloquium on "The Role of Geography in Environmental Studies", sponsored by the National Advisory Committee on Geographical Research, at the University of Western Ontario on Feb. 6. Among the contributors were PROF. IAN BURTON with a paper on "Geographical Contribution to the Evaluation of Policy Alternatives", and PROF. F. KENNETH HARE with a paper on "Geography and Environmental Studies in the Universities".

PROF. PAUL GRENDLER has been named a Visiting Fellow at the Harvard Center for Italian Renaissance Studies (*I Tatti*) in Florence, Italy, during 1970-71.

PROFS. E. BIRNBAUM and E. KURAN represented the University of Toronto at the meeting of the Governing Board of the American Research Institute in Turkey, held in Chicago on Dec. 7. Prof. Birnbaum was elected chairman of the Institute's Publications Committee.

PROF. GERALD K. HELLEINER attended the Columbia University Conference on International Economic Development in Williamsburg, Va. and New York, Feb. 15-21, and delivered a paper on "Structural Change for Africa in the 1970's".

DR. J. E. FOLEY has been appointed to the National Research Council Scholarship Committee.

PROF. E. TULVING has been elected a

Fellow of the American Psychological Association. He has given the following talks: "Some Characteristics of Ecphory in Human Memory" at the University of Pittsburgh, on Sept. 26; an invited address at State University College, Oneonta, N.Y. at the State University of New York All-University Psychology Conference on Memory Processes Oct. 22-23; "On Retrograde Amnesia in Free Recall" at the State University of New York, Buffalo, Nov. 20; and "On the Ecphory of Discrete Events" at the University of Pennsylvania, Dec. 10.

University College

At the Balzac colloquium, held in Massey College Nov. 21-22 and organized by PROF. FALCONER, the following papers were contributed: "Balzac et Sade" by MAURICE RÉGARD, "Balzac et Fourier" by EMILE LÉHOUCQ, and "L'idée qui tue . . . et qui crée, dans trois romans de Balzac" by GRAHAM FALCONER.

PROF. P. R. LÉON gave a lecture on "French Canadian Phonology" at McGill University on Jan. 22 and, on the same day, at the Canadian Conference on Language Laboratories, at Sir George Williams University, he presented a paper, "Laboratoire de Langues: Rétrospective et Perspectives".

PROFS. A. G. FALCONER and D. F. JOURNALIT attended the colloquium, "Four Centuries of the French Novel", at the University of Connecticut, Feb. 20-21.

Knox College

PROF. J. C. HAY attended the Faith and Order Committee of the National Council of Churches, U.S.A., Feb. 12 and 13 in New York City; and gave special lectures on the subject of Biblical Interpretation to a Conference in Vancouver on Feb. 16 and 17.

Trinity College

PROF. BRIAN T. FITCH was one of three guest speakers at the Camus Symposium held at the University of Florida, Gainesville, Jan. 29-30, where he read a paper on "Clarence en chute libre: la cohérence imaginaire de *La Chute*" and took part in a panel discussion on "Problèmes de la recherche camusienne".

St. Michael's College

PAULETTE COLLET, P. R. GRILLO and R. B. DONOVAN attended the annual meeting of the Modern Language Association in Denver, Dec. 27-30. There Prof. Collet chaired the North American French Language and Literature session, while Prof. Grillo presented a paper on the Old French Crusade Cycle at the annual meeting of the American branch of the Société Rencessals.

PROF. R. J. SCHOECK gave a paper on Erasmus at the Erasmus Conference at the University of Notre Dame on Dec. 13. On Jan. 31 he attended the Renaissance Society of America annual Council meeting as a representative of the history of law.

Scarborough College

PROF. JOAN VASTOKAS delivered two lectures: "Indian and Eskimo Art in Context: Spatial and Temporal Dimensions of Form"

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FORUM ON CUG

(Continued from page 1)

trust each other, in which openness obtains at every level, and in which each of the members can regard himself as a directing force. If, in ten years, we can approximate the approximation of the ideal, we will have been both ingenious and lucky. Our best, indeed our only, hope is to be very practical in our approach. We must move from Square One to Square Ten via Squares Two, Three, Four, Five, Six, Seven, Eight and Nine.

I have referred to three of the six principles which are the basis for the 107 recommendations of the CUG report - Trust, Openness, Participation. The others are Academic Freedom, Pluralism and Centralization-Devolution. I want to discuss these principles with particular reference to the colleges on the St. George Campus.

Trust, openness and participation appear to me to be principles which, at least until peace does rule the planets and love does steer the stars, can only operate at what can be called the local level. Trust, for example, demands of the person trusting specific knowledge of the person trusted. Openness has physical limitations - 25,000 people cannot attend a meeting of a University Council. At the level of 25,000, participation can only mean the kind of thing that happens at a football game or a mass political rally. To operate in a practical and meaningful way, trust, openness and participation require groupings of 10, 20, 50, at the outside perhaps 200 people. But if trust, openness and participation do operate at these levels, there can be a generalization upwards to larger groups - of 500, 2,000, 25,000.

The CUG Report recognizes this in its emphasis upon the principle of centralization-devolution; the bulk of activity, including most of the decisions, is to take place at the level of faculty, school, institute and college. Where faculties or schools are large, it is to take place at the level of department.

The Report notes that faculties, schools, institutes and departments are *essentially* academic structures. As academic structures, they accord with what the Report calls the traditional view of the university as distinct from what it calls the radical view.

The University, in this view, does not adopt a political posture towards the 'outside' society. Even though it should become totally dependent on the resources of the community for its support, academic freedom dictates the sacrifice of political decisions that have to be taken in the civil community. The University's relations with society at large are strictly at arms' length; it sets, or helps to set, the conditions under which members of the outside community can enter its halls for instruction, considers them under its jurisdiction as long as they stay, sends them forth to take whatever post in society they as graduates decide to take, and is content to influence society through the individuals it helps form. To repeat, the university is defined by its academic rather than its social role; its organization and structure are dictated by the needs of academic disciplines, not by social or political considerations. Its ethos is individualistic, not collective.

The Commissioners are also aware of the radical view, which calls for an organization that is dictated by social and political considerations and whose ethos is collective rather than individualistic; and their recommendations are designed to provide for the University an organization which gives full and free value to both views, an organization, to be specific, which while insuring that the needs of the academic disciplines (and especially the principle of academic freedom as it affects both student and teacher) are met also gives effect to the community's political and social needs.

It is here that the colleges emerge as the key to the solution of the problem. They are the one element in the great complex which are at one and the same

time academic institutions (like the faculties, schools, institutes and departments) and political-social - or socializing - institutions (like Hart House, the SAC, a residence hall). The ethos of the college is neither individualistic or collective; it is both. Furthermore, unlike faculties, schools, institutes and particularly departments, colleges are pluralistic. The arts colleges at the very least are concerned with not one but a half-dozen disciplines - the so-called college subjects; if one concentrates upon the student membership, they are concerned with twenty-six. The multifaculty colleges are concerned with all the disciplines contained within the Faculty of Arts and Science and with a dozen other faculties or schools as well.

What the University's collegiate structure does is to provide it with a horizontal as well as a vertical sectioning of the membership, and this makes possible the integrating of the traditional and the radical views. Ideally all members of the University would be associated with a college; everyone (student, faculty, support staff) would have dual membership in a faculty, school, institute and, where operative, a department *and* in a college. Probably the Age of Aquarius cannot be achieved at this University until there are a half-dozen more colleges, for colleges must be reasonably small to permit the principles of trust, openness and participation to operate with meaningful effect. A University of Toronto with twelve St. George Street colleges is Square Eight or Nine. The fact that we do have six colleges means that we are already at Square Three or Four. Let's get on with it.

Since the above may strike some readers as mere rhetoric, let me give a concrete example of how the principles of trust, openness and participation do operate within a college. The College is Innis and the events described have occurred within the past month.

On January 6, I received a letter from the Executive Vice-President (Non-Academic), Mr. Rankin, informing me that the Innis College building project was indefinitely postponed since a letter from Central Mortgage and Housing Corporation of January 2 indicated that a NHA loan would not in the foreseeable future be available. I reported this to the College Council at its meeting on January 11. Present at this meeting were 17 of the 25 members of Council, including the President of the University. The Council consists of 5 administrators (Principal, Registrar, Associate Registrar, Residence Coordinator and Dr. Bissell), 15 members of the teaching staff of the University and 5 Innis College students. Also present at the meeting - since our meetings are open - were seven other members of the College, our two counsellors and five students. Half of the two-hour meeting was devoted to clarification of the building situation (a half hour review of the problem by Dr. Bissell, followed by a long series of questions - and answers), half to what do we do now. Two things were decided upon. First, to request the Board of Governors of the University to reaffirm publicly its stated policy that the Innis College Building was the number one priority as far as the University's capital program was concerned and to do everything within its and the University's power to get on with the project. Second, to appoint a special committee to recommend to the Council at its February meeting a course of action for the College to take for the next several years in the event that the permanent building was not available in September 1972 as planned.

The following day I wrote a letter to the Chairman of the Board in accordance with the Council's first decision. I have subsequently been informed that at its meeting on January 22, 1970, the Board resolved that "at the present time the Innis College building is considered as the number one academic priority and that everything within the powers of the Board will be done to expedite the program."

The Special Committee met on the three successive Mondays from 5 to 8

p.m., with attendance of respectively 14, 20 and 12. In each case about two-thirds of those present were members of Council, about one-third students or staff who were sufficiently concerned to attend - the meetings of the Council committees, like those of the Council itself, are open and at the committee level, everyone present is considered a full member, either regular or coopted. At the conclusion of the third meeting, the Committee approved a number of recommendations which will be presented to the Council on February 9. The recommendations are clear, tough, specific, and they go to the Council with the unanimous support of those present at the final meeting.

What does one conclude from all this? Obviously that the principle of trust operates at Innis College. Anyone - student or staff member - was free to hear what Dr. Bissell had to say - and clearly he felt entirely free to say it as it was. Obviously that the principle of openness not only obtains but works at Innis College - a lot of very interesting and confidential things were said at the Council meeting and at the committee meetings but there were no leaks. And obviously that anyone can participate - administrative staff, teaching staff, students, support staff.

Ah, but you will say, there are over 700 students and staff at Innis College and all you have demonstrated is that for 30 or 40 of them, these principles apply - what about the other 670? Well, everyone to his own taste - not everyone wants to exercise his prerogatives; moreover, there are other things in life such as essay deadlines, flu, classes (even between 5 and 8 p.m.), tickets for Hair. The point is that anyone could participate and the point also is that, though many didn't, quite a few did.

I suggested earlier that if these principles operate at the small group level, there will be a generalization upward to a larger group. That is what has happened at Innis College. Name me any element in the University of Toronto that has had, over the past six years, a more legitimate reason to complain about its treatment, at least so far as physical accommodation is concerned, than Innis College. And name me a College or a Faculty, School, Institute, Department - that has caused this University less trouble in those same six years. I often marvel at the patience and tolerance of the Innis students and I also marvel at the extraordinary amount of time the faculty members of its Council devote to its affairs. Why are they so patient and why do they bother? Doubtless there are many reasons, but among them are the fact that all the doors are open, everyone is as equal as anyone else, and something can and will be done about whatever it is that calls for action.

ROBIN S. HARRIS
Principal
Innis College

★ ★ ★

K. A. Wright

Recognition of the contributions of the support staff to the entire University community is long overdue. I am concerned about the *quality* of recognition that may come, especially to the scientific and technical support staff. These people work in the closest fashion with faculty and students and have a most direct influence on the atmosphere of the academic community. Faculty, if they are to fulfill their role in the furtherance of knowledge through teaching and research (scholarship) must cope with vastly expanding quantities of information. If teaching is to remain dynamic and relevant to the current activity in respective disciplines, current research must be thoroughly analyzed and integrated into a continually changing teaching scheme. Thus, if academic research is to continue, it may prove necessary to develop competent research teams, headed by faculty members, and staffed by competent support staff. (The alternative is to relegate graduate students to the role of support staff to carry out the faculty's research for them.) Such a concept would allow the faculty member to continue his own research, while fulfilling his obligations of developing and presenting courses and in directing research of graduate students. In this role support staff must be considered as much

more than mere lackies. In order to attract and maintain such a staff, devoted to the pursuit of scholarly research as a part of a faculty-support staff team, the University must provide incentive. Such incentive must be more than monetary, and might parallel many of the recognized "rewards" offered to the pure academic. Recognition of contributions through joint authorship of publications, the opportunity for on-the-job education, the possibility of exchanges with individuals from other centers of activity, could all be encouraged. Such incentives may be just as valuable as a clearly enunciated advancement program in maintaining career oriented employees.

A companion problem to the current quandary of support staff appears to be the quandary of the Bachelors and Masters graduate. The academic society has too readily followed the example of the rest of society in accepting a monolithic criterion of excellence - in this instance, the Ph.D. Many students see Ph.D. training as the only road open to them irrespective of their own convictions regarding teaching or independent research. Perhaps fewer Bachelors and Masters graduates would be without jobs if the University followed a policy of hiring support staff including Bachelors and Masters levels in careers guaranteeing respect, advancement, and challenge. Such a program requires a commitment from the University in foresight that transcends the views usually espoused by unions.

My second point relates to what might be termed the "professional" administrators. Clarification of the channels for the flow of authority and information through the academic administration is undoubtedly needed. However, much of the frustration encountered by faculty and academic administrators alike arises in dealings with non-academic administrative departments. Whether through insufficient staffing, poor organization, or inability to employ sufficiently trained staff, many departments seem to suffer from chronic confusion. Delays in processing directives from the academic section are too common. Similarly, continual revision of procedures and paraphernalia such as forms seems to be accompanied by insufficient notification to departmental authorities - there is no single handbook of administrative procedures to which even departmental secretaries can refer to be sure of the most direct method of handling affairs. Perhaps solution of this problem again lies in the University's ability to offer to these professional administrators, clerks, typists, etc., a clear program of advancement in order to retain capable staff.

K. A. WRIGHT
Associate Professor
Department of Parasitology
★ ★ ★

F. E. Sparshott

A contribution by Dr. G. W. Field in the *Bulletin* for February 24 appears to quote me as avowing views contrary to those I have repeatedly expressed in public, in the *Bulletin* and elsewhere. It may not be clear to the casual reader that the brief to which Dr. Field refers, and the remarks which he quotes, relate not to the government of the University of Toronto but to that of Victoria University. The brief contains a statement to the effect that the administrative problems facing a small, private and relatively homogeneous institution are quite different from those facing a large, public, and heterogeneous one. Similarly, the brief explicitly links its rejection of "parity" to the fact that no such principle has yet been adopted by the University of Toronto. The compilers of the brief felt that, failing such adoption, "parity" would not be viable in the smaller community. The brief expresses no opinion as to whether a move towards "parity" by the University of Toronto should or should not be followed by a similar move on the part of Victoria University. My personal opinion on the requirements of the University of Toronto remains the same: that a unicameral system is almost a necessity, and a move in the direction of "parity" highly desirable.

F. E. SPARSHOTT
Chairman
Department of Ethics
Victoria College

President's Council, ATS Council debate U of T budget procedures

(Continued from page 1)

avoidable, but there is another major expense which ought to be controlled, the growing amount of research and number of inter-disciplinary activities which are non-revenue-producing in terms of formula finance but which must be supported out of general university funds; the task of saying 'no' to research projects for which support must come out of operating budget is difficult, but must be faced; and in addition a determined effort must be made to get payments for overhead from the granting agencies.

The Library, singled out as one place which has had a greater increase in recent years than at other universities, was defended by Dr. Sirluck as receiving no more than necessary for the number of services it provides; in any case, last year's budget gave it no increase at all except the cost of the computer. Mr. Stone warned that the opening of the new Humanities and Social Sciences Library would make the academic salaries portion of the budget look even smaller.

Professor Rapson denied that the role of the ATS had been confined to the submission of their annual brief to the Budget Committee, or that it had had no influence on the budget, citing a case where the Board of Governors had restored a substantial cut after hearing the argument of the Salary Committee of the ATS. He pointed out that substantial increases in salaries had been awarded in each year, and that compounded they worked out to 66% over the past five years. He contended, with support from other Council members, that salaries at this University have kept up with those of both other universities and the community outside the University. However, as Toronto reaches its maximum size and no longer needs to hire additional staff the percentage of the budget going to academic salaries is bound to shrink. He said that academic salaries can only be determined in relation to all other aspects of the University, none of which must be allowed to fall behind; this was the explanation of the one year recently when increases were given to the non-academic staff higher than those given to the academic. Every effort should be made to avoid setting up a large number of separate bargaining units; the budget is controlled by the rise in the size of the basic income unit, and the bargaining should be done by the University as a whole with the government.

Professor Rist said, quoting a passage from Dr. Bissell's letter, that he was not convinced that a corporation surrenders its authority if it engages in arbitration. Whatever structure of university government emerges from the CUG report, and whatever the position of the faculty in that structure, he thought there would still be room for an organization to represent the special interests of groups. If the faculty came to dominate the government structure, the role of the ATS might be diminished, but it should always be possible for faculty members to argue against an ATS position if they think this position is against the interests of the faculty as a whole.

Dr. Bissell said that he feared it was an unrealistic vision if the ATS thought they could have arbitration of salaries without the Association's sliding into full-scale trade unionism, which in turn would lead to a conflict between staff and administration over many issues besides salaries — tenure, hours of work, outside income, fringe benefits. Professor Winter said he appreciated some of these things but pointed out that some groups in the University are already unionized and engaging in negotiation.

Dean Allen said that his chief fear was a uniform scale of salaries throughout Ontario, a situation which he had experienced in England and did not like. He understood that the power to press their special interests seemed vital to the ATS, but suggested that this was the wrong time to push their claim because of uncertainty about the future government of the University. Technically, at the present time only the Board of

Governors can enter into binding agreements; it is probable that this will change, but until it is known how it will change he thought the situation should remain as now. Mr. Rankin added a special plea for a quick decision on next year's budget.

Professor Greene thought that a common salary scale agreed by negotiation between the provincial government and OCUFA was probably inevitable. In the meantime, however, there is a considerable body of the academic staff of this University, mostly young and in non-science departments, who believe themselves to be underpaid, and from his appraisal of the situation he thought this was true.

Dr. Sirluck said that, whereas he would regard negotiation, which in part already exists, as acceptable, he could only see arbitration as placing a fundamental decision on the working of the University in the hands of people not responsible for carrying it out, and he asked whether acceptance of negotiation necessarily implied acceptance of arbitration. Professor Sumner thought that it did not, but that some mechanism for resolving disagreement must be used and no one had suggested a satisfactory alternative. Dr. Sirluck wondered whether there would be pressure from the faculty to find a different system in the year following one in which the arbitrator awarded the staff a smaller increase than they would have received from the Budget Committee. He thought the ATS would find it preferable to be given all the information on the budget so they could appreciate the bases on which unpopular decisions had been made without being compromised in the eyes of the staff. Professor Rooney agreed that handing over the final decision on salaries to an outside arbitrator meant in effect handing over the University's budget to a non-responsible person because salaries made up the bulk of the budget, and he did not like the idea; unlike industry, which can finance higher salaries awarded by arbitration by increasing the price of their goods or cutting down dividends to shareholders, the University is tied to the amount of money that the government is prepared to give, and he thought it unlikely that the government would increase its grant to pay such higher salaries.

Dean Ham said the contention of the ATS that they are getting the short end of the stick implies that someone is getting too long a piece. He thought they should be supplied with all the budget information and challenged to say just who the long-stick-holders were. He was confident that they would soon understand that the basic problem is that all parts of the stick are too short and would be ready to unite with the administration in attempts to lengthen it.

One thing was agreed by all academic members of the Budget Committee, including the academic administrators—if the University went into a formal proposal/counter-proposal/negotiation/arbitration scheme they would find it impossible to remain as members of the Budget Committee.

Dr. Bissell said that the question of arbitration would have to be taken to the Board of Governors, and Professor Sumner asked if some arrangement could be made for the ATS to present its case to the Board. Mr. Hermant was sure the Board would be glad to invite the ATS to send representatives to a meeting of the Board in the near future. Professor Forster suggested a joint meeting of the ATS Salary Committee and the Budget Committee for a run-through, on a no-prejudice basis, of the whole budget as it is seen now. Both suggestions were welcomed by the President's Council, and Professor Rist said he would take the proposal for the joint meeting with the Budget Committee to the ATS, which was meeting soon, and communicate its decision to the President.

Books

Structure and Direction in Thinking (Polish translation). By D. E. Berlyne. (Wiley, 1965) published by PWN, Warsaw.

COMING EVENTS

MARCH

5 THURSDAY

Lectures

"The Use of Computers in Humanistic Research". Prof. P. R. Ducretet. West Hall, U.C. 4.10 p.m. (University College Public Lectures 1969-70)

"Imperfection and Diffusion in Rare Gas Solids with Particular Reference to Solid Krypton". Dr. J. Morrison, Head, Institute of Solids, McMaster University. Room 102 McLennan Physical Laboratories. 4.05 p.m. Tea 3.45 p.m. (School of Graduate Studies and Department of Physics)

ROM Science Lecture. "Water Pollution — The Role of the Canada Centre for Inland Waters". Dr. James P. Bruce, the Centre's acting director. Room 4. ROM. 8.30 p.m. Admission \$1.50; ROM members free.

Seminar

"The HR220 NMR Spectrometer". Prof. W. F. Reynolds. Room 2034 Wallberg Building. 3.30 p.m. (Department of Chemical Engineering and Applied Chemistry)

Meeting

Meeting of non-academic staff members (Support Staff) as a step in establishing the proposed University of Toronto Staff Association. Convocation Hall. 12.30 p.m.

Conference

"The Last Two Generations of Italian Composers". Count Ernesto Rubin de Cervin. Concert Hall, Edward Johnson Building. 5.30 p.m. (Consulate General of Italy and Faculty of Music)

6 FRIDAY

Lectures

"Consideration of Foundations Supported by Granular Soils Subjected to Dynamic Loadings". E. D'Appolonia, D'Appolonia Consulting Engineers, Pittsburgh. Room 120 Galbraith Building. 3.30 p.m. (School of Graduate Studies and Department of Civil Engineering)

"Light Scattering to Electronic States of Ions in Solids". Prof. J. A. Koningstein, Carleton University. Room 158, Lash Miller Chemical Laboratories. 4 p.m. (School of Graduate Studies and Department of Chemistry)

"The Americanization of Canada" Teach In. Opening session, Mel Watkins, Walter Gordon, Former Minister of Finance in the Pearson Government. Convocation Hall. 8 p.m. Admission \$2.75. Students and Unemployed \$1.25. (Sponsored by U of T NDP Club and Toronto Waffle Movement in the NDP)

"Diffusion Processes in Urban Systems". Prof. J. C. Hudson, Department of Geography, University of Wisconsin. Room 622, Sidney Smith Hall. 4 p.m. (School of Graduate Studies and Department of Geography)

7 SATURDAY

Lectures

"The Americanization of Canada" Teach In. Second session. Convocation Hall. 9.30 a.m.-5 p.m. (Sponsored by U of T NDP Club and Toronto Waffle Movement in the NDP)

Discussion

"Is the Spadinasaur Extinct?". Prof. David M. Nowlan. Convocation Hall. Free. 8.15 p.m. (Royal Canadian Institute)

"The Individual: Society's Pawn?" Guest: Dr. James Shapiro, Harvard Medical School. An overview of a subject of timely concern — should be of interest to persons in all disciplines. Discussion will be informal. Cumberland House (International Student Centre) 33 St. George St. 10 a.m. to 6 p.m. Coffee and pastries in morning, lunch, and in late afternoon small group sessions and pub. Admission 50¢. Tickets must be obtained in advance by Thursday, March 5, at reception desk of the Centre.

8 SUNDAY

Music

CBC Concert. Scarborough College. Free. 3.45 p.m.

9 MONDAY

Lecture

"Aims, Potentialities, and Limits of Experimentation in River Ecology". Prof. Karl Wuhmann, Department of Microbiology, Swiss Federal Institute of Technology, Zurich. Room 102 McLennan Physical Laboratories. 4 p.m. (School of Graduate Studies and Department of Civil Engineering)

Seminar

"Drug Effects on Rigidity Following Spinal Cord Ischemia". Dr. C. M. Smith, Department of Pharmacology, State University of New York at Buffalo. Room 4171 Medical Sciences Building. 4 p.m. (School of Graduate Studies and Department of Pharmacology)

Music

"Uptake, Distribution and Excretion of Drugs". Prof. J. P. Payne, Research Department of Anaesthetics, Royal College of Surgeons of England. Large Lecture Theatre, TGH. 4-6 p.m. (Department of Anaesthesia)

Meeting

Organ Recital. Dr. Charles Peaker. Convocation Hall. 5.05 p.m. Free. First scientific meeting of the Connective Tissue Club. "Current Concept of a Pyrophosphate Metabolism". B. Frazer; "Dermo Elastin in Health and Disease". D. Varadi. "The Effects of Soluble Antigen-antibody Complexes on Leukocytes". N. S. Taichman. Room 3268 Medical Sciences Building. 7 p.m. All interested are welcome.

10 TUESDAY

Lectures

"Balzac et le nouveau roman". Prof. Maurice Régard, University of Aix-Marseille. Room 122 U.C. 4 p.m. (School of Graduate Studies and Graduate Department of French)

Music

"Patterns of External Domination in Latin America". Prof. Florestan Fernandes, Brazilian sociologist and Latin American in Residence, U of T. Room 1085 Sidney Smith Hall. 4.10 p.m. (Department of Sociology and Latin American Studies Program)

Discussion

Opera. *The Impresario*, with added excerpts from *Don Carlo*, *La Bohème*, and *Marriage of Figaro*. MacMillan Theatre, Edward Johnson Building. 8 p.m. Also March 11, 12, and 13. \$2, students \$1. (Faculty of Music)

Films

"The Promise of M'Beki". A film and discussion with CUSO. Scarborough College. 8 p.m. Admission \$1.25. (United Nations Series)

"Man of Music" (profile of Healey Willan). School of Music Concert Hall, 273 Bloor St. West. 12.15 to 12.45 p.m. Free. (Royal Conservatory of Music)

ROM's Civilization Films series continues. "The Smile of Reason" and "The Worship of Nature". Theatre. 8.30 p.m. Film library and archives free; others are asked to contribute \$6 per person to the fund.

11 WEDNESDAY

Lectures

"A New Reflex for Stimulation of Canine Gastric Secretion". Dr. R. Preshaw. Room 3227 Medical Sciences Building. 4 p.m. (Department of Physiology)

"Elizabethan Theatre and Our Own". Prof. John Russell Brown, Head of the Department of Drama and Theatre Arts, University of Birmingham, England. Hart House Theatre. 4.30 p.m. Free. (Centre for the Study of the Drama)

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STAFF NOTES

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on Nov. 25, and "Indian and Eskimo Art in Context: Boundaries of Meaning" on Nov. 27, at the National Gallery of Canada, Ottawa, in connection with the exhibition, "Masterpieces of Indian and Eskimo Art, Nov. 21-Jan. 11.

PROF. H. B. SCHROEDER received a Canada Council grant for archeological research in the Near East: "A Paleolithic Survey of the Northern Bekaa Valley, Lebanon", and did archeological research in Lebanon for two months last summer. He attended the 8th International Congress for Quaternary Research (INQUA) in Paris in September and presented a paper to the Congress entitled "The Paleolithic Industries from the Syrian Desert Cave of Jerf Ajla". Prof. Schroeder was an invited participant in an international symposium dealing with problems of terminology and classification in the prehistory of the Levant, held at the Institute of Archeology, University of London, Sept. 15-20.

PROF. N. M. MELTZ was a discussant at a joint session of the annual meetings of the American Economic Association and Industrial Relations Research Association in New York, Dec. 28-30. The session was on the Manpower Dimensions of Economic Growth.

Erindale College

PROF. T. M. ALLOWAY read a paper, "The Learning Capacities of Insects", at the symposium on Insect Behavior, annual convention of the Entomological Society of America, in Chicago last December.

PROF. ERMINIO G. NEGLIA addressed the Ontario Chapter of the American Chapter of the American Association of Teachers of Spanish and Portuguese at the Winter Meeting in Trent University on: "El origen y la esencia del grotesco criollo en el Río de la Plata".

Massey College

PROF. W. A. C. H. DOBSON addressed the Peterborough United Services Institute on "China - as a Military Power" on Feb. 10.

Medicine

DR. GERALD SOLMES has been appointed to act as liaison between the National Federation of Catholic Physicians and the Committee organizing the International meeting of the Federation to be held in Washington, Oct. 11-14, 1970.

DR. P. M. YAP gave two lectures in Montreal on Jan. 8: "Nosology in Transcultural Psychiatry", at the Allan Memorial Institute, and "Some Clinical Issues in Transcultural Psychiatry", at the Montreal General Hospital, Department of Psychiatry.

DR. R. C. A. HUNTER has been elected to the Council of the Royal College of Physicians and Surgeons of Canada. He has also been appointed a member of the Psychiatric Test Committee of the National Board of Medical Examiners.

DR. D. OSOBA presented a paper at the annual meeting of the Canadian Society for Clinical Investigation in Montreal on Jan. 21. It was entitled "Separation of Two Classes of Spleen Cells Required for Production of Hemolysis Responses in Culture".

DR. J. W. MEAKIN attended a meeting of the Breast Cancer Task Force (National Cancer Institute, U.S.A.) in San Francisco Jan. 23.

At the 39th annual meeting of the Royal College of Physicians and Surgeons of Canada in Montreal, Jan. 23, DR. D. E. BERGSAGEL presented a paper entitled "An Assessment of Massive Dose Therapy of Malignant Disease". He also attended an Oncology Seminar in London, Ont., Jan. 30, and presented a paper entitled "A Comparison of X-Irradiation alone with X-Irradiation plus Cyclophosphamide in the Treatment of Lung Cancer".

Applied Science and Engineering

PROF. MORRIS WAYMAN delivered a seminar on "Single Cell Protein by Hydrocarbon Fermentation" to the Department of Nutrition, University of Guelph, on Jan. 15.

PROF. W. H. RAPSON was elected chairman of the Technical Section of the Canadian Pulp and Paper Association at the annual meeting in Montreal in January. This is the first time in its 56 year history that anyone not an employee of a member company has been elected to this national office. Dr. Rapson was co-author of a paper presented by graduate student D. W. REEVE at this meeting entitled "The Recovery of Sodium Chloride from Bleached Kraft Pulp Mills".

PROF. R. E. JERVIS delivered a paper entitled "Nuclear Activation Techniques for Heavy Metal Pollutants" to the 5th Annual Symposium on Water Pollution Re-

search, Waterloo, Feb. 2. He also presented a brief on activation analysis for trace mercury pollutant in the environment at a seminar on methods of mercury analysis sponsored by the Fisheries Research Board, Saskatoon, Jan. 22.

PROF. S. B. DEWAN attended the IGA Conference in Detroit, Oct. 13-15, where he was co-author of five papers: "Voltage Control in Three Phase Inverters", "Techniques of Analysis of Thyristor Converters", "Practical Considerations for Design of Commutation Circuits", Input Filter Design with Solid State Converters", and "A Series Inverter Without Gate Control". He has been elected as a member of IGA Power Converter Committee and has been elected as chairman of Cycloconverter Subcommittee to recommend standards for NEMA and IEEE. He was also invited to present a paper on "Large Power Thyristor Applications" in a seminar on "Thyristor Circuit Models and Characteristics" sponsored by the National Science Foundation at the University of Wisconsin on Jan. 19 and 20.

PROF. W. JANISCHESKY attended the IEEE Winter Power Meeting held in New York, Jan. 25-29, where he participated in the work of the Radio Noise Subcommittee, the Working Group 3 on Radio Noise Line Design, the Computer Applications in Power Systems Working Group and the Chapters Committee of the IEEE Power Group. During his stay in the U.S.A. he also paid a visit to the Public Service Electric and Gas Co. of New Jersey with the purpose of observing the supervision of the PJM power system (Pennsylvania, New Jersey, Maryland) by an on-line computer and to discuss items of mutual interest.

J. G. LENARD delivered a seminar entitled "Plastic Flow of Rotating Cylinder of Finite Length" at the School of Engineering, University of Guelph, Feb. 2.

PROF. K. T. AUST presented an invited paper at the ASM Materials Engineering Congress in Philadelphia on Oct. 13. He visited the Alcan Research and Development Ltd., Kingston, Ont. on Nov. 18 with two of his graduate students, recipients of Alcan Fellowships. Prof. Aust also gave a lecture to the Department of Metallurgical Engineering, Queen's University, on Jan. 30.

Forestry

PROF. K. A. ARMSON spoke on "The Effects of Fire on Forest Soils" at Macdonald College, McGill University, Feb. 5.

Ontario Institute for Studies in Education

DR. RALPH GARRY attended a workshop on "Special Needs of Young Adolescents" at the Television Producers Workshop - European Broadcasting Union in Stockholm, Sweden, Feb. 22-26.

DR. V. R. D'OYLEY and DR. D. ELLIS attended the Department of Education Regional Council Meeting in North Bay, Jan. 16. Dr. D'Oyley also attended the Florida Educational Research Association Conference, Jacksonville, and Dade County Board of Education, Fla., Jan. 22-25.

DR. BETTY MACLEOD presented a paper on "Enrollments, Fertility and Migration in Ontario" at the 11th annual conference of the Ontario Educational Research Council, Toronto, Dec. 5. She also attended the International Union for the Scientific Study of Population in London, England, Sept. 3-11.

DR. OTTO WEININGER spoke on "Body Image of Children" at a colloquium and seminar on "Some Behavioral Effects of Disruption of Social Bonds", at the University of Guelph Dec. 3. He also spoke on "Creativity, Learning and Unstructured Play" at a colloquium on "Curriculum Orientation" held at Guildwood Inn, Scarborough, Dec. 15.

DR. NORETTA KOERTGE presented a paper on "The General Correspondence Principle: A Theory about the Growth of Science" on Jan. 9 at the Department of History and Philosophy of Science, Indiana University.

DR. S. B. KHAN met with PROFS. N. CEBE, D. UCKUNKAYS, and B. KAZANCHI regarding Prediction Research and Student Counseling, Jan. 13, at the University of Ankara, Turkey.

DR. JACK M. OTT presented a paper on "Taxonomy of Administrative Information Needs: An Aid to Educational Planning and Evaluation", March 4, to the American Educational Research Association, Minneapolis.

Social Work

DR. JOHN GANDY was appointed a member of the Area Committee (York County), Ontario Legal Aid Plan.

DR. ELIZABETH GOVAN was appointed a member of the Ad Hoc Committee of the Canadian Welfare Council to prepare a statement on the White Paper on Taxation for presentation to the Government.

DR. BEN Z. SHAPIRO conducted a series of staff seminars at the Family Service Association of Metropolitan Toronto on "Working with the Community" during January and February.

Business

PROF. J. H. G. CRISPO attended meetings of the Industrial Relations Research Association in New York City, Dec. 29-30, and participated as a discussant in a session on "Foreign Industrial Relations Systems". He addressed the annual banquet meeting of the Toronto Construction Association on Jan. 20, on "What's Ahead for Construction Industrial Relations?" and the Grand Valley Personnel Association, on Jan. 21, on "Public Policy in the '70's". Prof. Crispo addressed the National Convention of the Public Service Alliance of Canada, on Jan. 27, on "Public Interests in Collective Bargaining". He also participated in a panel session at the Canadian Bar Association Convention on Feb. 6 on the Ontario Labour Relations Act.

PROF. O. W. MAIN gave a speech to the Canadian Industrial Management Association (Niagara Branch) on "Management - Today & Tomorrow", on Jan. 12.

PROFS. M. E. EVANS and D. A. ONDRACK together with PROF. D. T. HALL of Yale University presented papers at a seminar on The Generation Gap and Managerial Implications to an invited audience of personnel executives, Jan. 21, at St. Michael's College.

PROF. M. R. HECHT was a participant in the workshop, "Explorations in the Management of Technology", conducted Jan. 25-28 in New York.

PROF. J. A. SAWYER gave a talk on "The Use of an Econometric Model for Forecasting Gross National Product" to the Southern Ontario Chapter of the American Statistical Association on Feb. 4.

PROF. J. V. POAPST spoke on "House-building in the '70's: Demand, Costs and Implications", as a panelist on housing problems at the annual convention of the National House Builders Association in Niagara Falls.

Aerospace Studies

PROF. B. ETKIN spoke on the subject "The Changing University - Where is it Going?" to the Unitarian Fellowship, Chatham, Ont., Nov. 22, and to the Toronto Mechanical Contractors' chapter of the Industrial Management Clubs of Canada on Dec. 8. On Jan. 5 Prof. Etkin visited the University of Maryland and gave a seminar in the Department of Aerospace Engineering on the subject "Research on Aerodynamic Problems associated with Low-altitude Turbulent Winds".

PROF. I. I. GLASS gave a lecture on "Springboards to Planetary Explorations", for the Canadian Technion Society, on Dec. 2 at Holy Blossom Temple, Toronto. He presented the same lecture at the annual general meeting of the Institution of Electrical Engineers on Dec. 10 at the Commercial Travellers Association Building, Toronto. Members of the EIC and IEEE also attended. Dr. Glass and W. CZERWINSKI visited the Aerospace Research Laboratories, Dayton, Ohio, Jan. 26, in order to discuss current research and development and funding of the UTIAS hypervelocity launcher project.

DRS. G. K. KORBACHER and R. C. TENNYSON were invited to visit the Wright Patterson Airforce Base at Dayton, Ohio, Dec. 10, for a discussion of problems and research of natural interest in the field of Composite Materials. Dr. Tennyson also attended the 8th annual AIAA Aerospace Sciences meeting in New York Jan. 19-21. He presented a paper, entitled "The Effect of a Local Axisymmetric Imperfection on the Buckling Behaviour of a Circular Cylindrical Shell Under Axial Compression", at the structures' session.

The Americanization of Canada Teach-In

The Americanization of Canada is the theme of a major Teach-In at Convocation Hall, March 6 and 7.

Leading off the debate at 8 p.m. on March 6 is Prof. Melville Watkins, Department of Political Economy, and Walter Gordon, former Liberal Finance Minister. Prof. Watkins, who once served as head of Mr. Gordon's Task Force on Foreign Ownership, is now the leading spokesman for the Waffle Movement in the NDP.

At the Teach-In's Saturday morning session Prof. Kenneth McNaught, Department of History, will challenge the views of Carleton Professor of English Robin Mathews on the Americanization of the Universities.

A panel on Organized Labour and Interdependence has as guest speaker Michel

DR. H. S. RIBNER and ANDREW YU visited DR. B. G. NEWMAN, Department of Mechanical Engineering, McGill University, on Dec. 8, to discuss aerodynamic techniques relevant to a proposed aerodynamics problem. Dr. Ribner, W. Czerwinski and Dr. Glass visited the general Applied Science Laboratory, Westbury, N.Y., in order to discuss sonic boom facilities and mutual research problems.

Child Study

PROF. M. F. GRAPKO presented a paper to the Ontario Psychological Association annual meeting in Kingston, Feb. 7, on "The Relation of Teacher Ratings to Security Development in Grade 6 Children".

DRS. GRAPKO, ANDREW BIEMILLER and ALFRED CASTANEDA attended a conference on Feb. 20 at the University of Waterloo, held for the purpose of discussing the establishment of a Canadian Association for the Advancement of Research in Human Development.

Computer Science

PROF. D. TSICHRITZIS attended the Hawaii International Conference on System Sciences on Jan. 14, 15 and 16 at Honolulu. He gave two papers: "Trade-off Between Approximation and Complexity of Functions" and "An Example of Software Analysis".

Russian

and East European Studies

DR. H. GORDON SKILLING gave a talk on Jan. 23, in the Carleton University lecture series on the topic, "Czechoslovak Reform or Counter Revolution".

The Press

The following books were published by the University of Toronto Press in December, 1969, and January, 1970:

People vs Politics. By J. A. Laponce. \$10.00

Bibliography and Textual Criticism (PLC#8). By O. M. Brack and Warner Barnes. Cloth, \$11.75. Paper, \$3.45

Empire and Nations: Essays in Honour of Frederic H. Soward. By Harvey L. Dyck and H. Peter Krosby. \$10.00

The Last Cannon Shot: A Study of French-Canadian Nationalism. By Jacques Monet. \$8.50

The Anatomy of a Party: The National CCF, 1932-61. By Walter D. Young. \$8.50

New Trade Strategy for the World Economy. By Harry G. Johnson. \$7.95

World Timbers: Vol. II, North and South America including Central America and the West Indies. By B. J. Rendle. \$17.50

Margarine: An Economic, Social, and Scientific History, 1869-1969. By J. H. van Stuyvenberg. \$15.00

Actor and Architect (CUP#89). By Stephen Joseph. \$1.95

Dimensions of Urban Social Structure. By F. Lancaster Jones. \$8.00

The Emergence of the Federal Concept in Canada, 1839-1845 (CHSG#14). By William Ormsby. \$4.35

An Annotated Bibliography of Smollett Scholarship, 1946-68. By Donald M. Korte. \$4.50

The Location of Service Towns (DGP#3). By John U. Marshall. \$5.00

The Irish Education Experiment: The National System of Education in the Nineteenth Century (SIH#7). By Donald H. Akenson. \$12.50

Old English Literature: An Annotated Bibliography (TMB#2). By Fred C. Robinson. \$3.95

The University of Saskatchewan: A Personal History. By W. P. Thompson. \$8.50

The Prosecutor: An Inquiry into the Exercise of Discretion. By Brian A. Grossman. \$7.50

Permafrost in Canada. By R. J. E. Brown. \$12.50

Chartrand, Quebec socialist labour leader.

In the afternoon a debate on English Canada and Quebec features U of T alumnus James Laxer and Parti Québécois candidate Bernard Landry. The session closes with a panel on Canadian Foreign Policy with Andrew Brewin, M.P., Danny Drache, U of T graduate student, and University of Manitoba economics Prof. C. W. Gonick.

Co-sponsors of the Teach-In are the U of T NDP club and the Waffle Movement in the NDP. Chairman of the Teach-In Committee is Prof. Robert Laxer, Educational Theory, U of T.

Tickets are available from the SAC office or through "The Canada Teach-In", Box 397, Agincourt, Ont. Price for students and unemployed is \$1.25; general admission is \$2.75.

COMING EVENTS

MARCH (Continued from page 5)

11 WEDNESDAY

Seminar "Uptake, Distribution and Excretion of Drugs". Prof. J. P. Payne. Large Lecture Theatre, TGH. 4-6 p.m. (Department of Anaesthesia)

12 THURSDAY

Lecture "Old World Views on Tree Growing". Arnold Grayson, District Forest Officer (England, India, Rome). Room 158 Lash Miller Chemical Laboratories. 4 p.m. (Faculty of Forestry)

Seminar First in a series of five weekly staff-student seminars on "The Developing United States: Responses to Industrialization and Urbanization, 1865-1914". "The American Writer and the City: Dreiser and Others". Prof. Daniel Aaron, Department of English, Smith College. Room 2053 New College. 3 p.m. (American Studies Committee)

"On the Redox Behaviour of Oligomeric and Polymeric Hydroquinone-Quinone Systems". J. E. C. Mills. Room 2034 Wallberg Building. 3.30 p.m. (Department of Chemical Engineering and Applied Chemistry)

Music Faculty of Music Collegium Musicum. Concert Hall, Edward Johnson Building. 2 p.m. Free.

13 FRIDAY

Lectures "The Astronomical and Astrological Ideas of Chaucer". Dr. H. C. King. The Star Theatre, McLaughlin Planetarium. 10 a.m. (Centre for Medieval Studies)

"The Significance of Hard Bodies in the History of Science". Dr. Wilson L. Scott, Professorial Lecturer at American University, Washington. Room 202 McLennan Physical Laboratories. 1.10 p.m. Sponsored by the Varsity Fund. (Institute for the History and Philosophy of Science and Technology)

"The Long March and the Rise of Mao". Dr. Jerome Ch'en, Leeds University, author of books and articles on Mao and the Chinese Communists. Room 2117 Sidney Smith Hall. 2 p.m. (International Studies Program)

"Some General Aspects of the Brainstem Reticular Formation". Dr. W. J. H. Nauta, Department of Psychology, MIT. Room 3154 Medical Sciences Building. 4 p.m. (School of Graduate Studies and Department of Physiology)

Seminar "Uptake, Distribution and Excretion of Drugs". Prof. J. P. Payne. Large Lecture Theatre, TGH. 4-6 p.m. (Department of Anaesthesia)

14 SATURDAY

Lecture "Historical Interactions Between Art and Technology". Prof. Cyril Stanley Smith, Department of Humanities, MIT. Convocation Hall, 8.15 p.m. (Royal Canadian Institute)

15 SUNDAY

Music University of Toronto Concert Choir. MacMillan Theatre, Edward Johnson Building. 8.30 p.m. (Faculty of Music)

University of Toronto Concert Choir. Conductor, Lloyd Bradshaw. MacMillan Theatre, Edward Johnson Building. 8.30 p.m. (Faculty of Music)

Service Choral Vespers Service. Music by Walmisley, Smith and Onseley. Massey College. 5 p.m.

Entertainment Buffy St. Marie, folk singer; Indian dancing; emcee: Johnny Yessno, host of CBC program "Indian Magazine". Convocation Hall. 7.30 p.m. Tickets may be purchased (for \$3, \$5 or \$10) from office of Ontario Natives Development Fund, 277 Victoria St. (telephone 362-5937).

16 MONDAY

Lecture "Hamlet and the Mythmakers". Prof. Nicholas Brooke, University of East Anglia; Visiting Professor, Hollins College, Virginia. Room 205 New Academic Building, Victoria College. 8 p.m. (Graduate Department of English and School of Graduate Studies)

(See page 8, col. 1)

Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. oral examinations.

Friday, March 6

Gerrit De Boer, Department of Medical Biophysics. "Studies on the Photohydrates of Cytosine and its Derivatives". Thesis supervisor: Prof. H. E. Johns. Room 201, 65 St. George Street. 10 a.m.

Tuesday, March 10

James Gilmour, Department of Geography. "Structural and Spatial Change in Manufacturing Industry: Southern Ontario, 1850-1890". Thesis supervisor: Prof. D. P. Kerr. Room 207, 65 St. George Street. 2 p.m.

Wednesday, March 11

Roman Michael Genik-Sas-Berezowsky, Department of Chemical Engineering. "Chelating Polymers". Thesis supervisor: Prof. I. H. Spinner. Room 201, 65 St. George Street. 2 p.m.

Thursday, March 12

J. C. Krug, Department of Botany. "Morpho-taxonomic Studies of Selected Coprophilous Pyrenomycetes: Sordariaceae and Xylariaceae". Thesis supervisor: Prof. R. F. Cain. Room 207, 65 St. George Street. 10 a.m.

A. Tung, Department of Physiology. "The Biosynthesis of Insulin in Fetal Calf Pancreas". Thesis supervisor: Prof. C. C. Yip. Room 201, 65 St. George Street. 10 a.m.

Wednesday, March 18

Harry Kieft, Department of Physics. "Endor Studies of Hyperfine Interactions in Crystals Containing Dilute Magnetic Impurities". Thesis supervisor: Prof. J. S. M. Harvey. Room 201, 65 St. George Street. 2 p.m.

Monday, March 23

Vinay Kumar Jain, Department of Mechanical Engineering. "Study of Flat-to-Circular Transition Region of a Slit-Shell". Thesis supervisors: Profs. D. L. Allen and F. P. J. Rimrott. Room 201, 65 St. George Street. 2 p.m.

Staff is invited to join tour to Japan

McMaster University invites staff and faculty of U of T to join their tour to Japan and Expo, May 11 to June 2. The total cost is \$1,175 with \$500 required with registration.

For further details call T. R. Morris, McMaster University, telephone 1-416-522-4971, local 321, or Prof. Kinya Tsuruta, U of T, 928-3303.

New fellowships offered for advertising study

Canadian Advertising Advisory Board Doctoral Fellowships are intended to increase knowledge of the advertising process by examining its economic and social impact. The fellowships are open to any Canadian citizen or any one residing in Canada working towards a doctoral degree. Two awards of up to \$4,000 each, tenable for one year, are offered. Deadline for receipt of applications is March 9, 1970. Further information may be obtained from the Office of Student Awards.

P J Giffen is appointed chairman of Department of Sociology

Prof. Perry James Giffen has been appointed chairman of the Department of Sociology. He has been acting head of the department since last Fall, succeeding S. D. Clark, who retired as chairman to return to teaching. Prof. Giffen has asked that his appointment terminate on June 30, 1972.

A native of Halifax, Prof. Giffen took his B.A. in honour sociology and his M.A. at the University of Toronto and did graduate work at Columbia University. He served in the R.C.A.F. in the Second World War.

After conducting research for the Manitoba Royal Commission on Adult Education and teaching at the University of Manitoba, Mr. Giffen joined U of T as a lecturer in sociology and was subsequently promoted to the ranks of assistant professor, associate professor and professor.

His outside activities have included research for a Survey of the Legal Profession in Canada in 1951-52; service as executive secretary of the Ontario Minister of Transport's Advisory Committee on Traffic Accident Research; di-



rector of the Ontario Study of the Chronic Drunkenness Offender; co-editor of the "Canadian Forum"; and membership on the executive of the Centre of Criminology. He has edited several books and written extensively in professional journals.

Graduate population rises by 24%

While "the increase of the full-time undergraduate population came to the expected standstill" on the St. George Campus in 1969-70, "the full-time graduate registration increased its rate of growth to 24 per cent from 11 per cent in 1968-69", the Office of Statistics and Records has reported to the Senate.

Winter session enrolment on the St. George Campus, and at Scarborough and Erindale College reached 26,344 full-time and 8,229 part-time students this year—an increase of 11 per cent over the previous year, the same as in 1967-68. Full-time enrolment rose by 10 per cent and part-time by 14 per cent.

The Office of Statistics and Records noted these facts:

On the St. George Campus, the undergraduate population increased by only three over 1968-69.

The number of full-time undergraduates at Scarborough College was 1,832, an increase of 396, or 28 per cent, and at Erindale College 906, a rise of 448, or 98 per cent.

Enrolment in the Faculty of Arts and

Science on St. George Campus "reached the plateau of 8,741, an increase of 72".

The professional faculties showed a decrease of 69 students—1 per cent. Only Pharmacy and Forestry showed an increase of more than 30 students.

The School of Graduate Studies enrolled 636 more students—17 per cent—than in 1968-69 to a total of 6,310. The proportion of doctoral candidates is 43.3 per cent as compared with 42.3 and 41.6 in the previous two years. Other graduate programs reported an increase of 840—34 per cent. The College of Education contributed 640 B.Ed. candidates to this increase, and the Faculty of Medicine 250 internes and residents.

Part-time enrolment in the School of Graduate Studies grew by 35 per cent, from 1,460 to 1,964 students.

"This year", S. & R. reported, "in addition to 34,573 winter session and 11,035 summer session students, an estimated number of 22,000 will attend non-credit programs, raising the number of men and women who participate in the learning process near to 68,000."

23 professors win fellowships

Twenty-three members of the U of T teaching staff are among 135 successful candidates in the annual competition for Leave Fellowships in the humanities and social sciences offered by the Canada Council.

Worth up to \$7,000 each, the Fellowships help teachers in Canadian universities to engage in independent research during sabbatical leave. Valued in total at a million dollars, the awards are designed to strengthen universities by assisting scholars to explore new aspects of the subjects they teach. Travel and research expenses are provided where needed.

The Canada Council this year has suspended its program of Post-Doctoral Fellowships, which in 1968 accounted for the expenditure of \$280,000 in support of 35 scholars.

Names of this year's Leave Fellows at U of T follow:

Carl Berger, History.
C. R. Blake, University College, English Literature.

D. A. Blostein, Victoria College, English Literature.

Ian Burton, Geography.

S. D. Clark, Sociology.

Julian Dent, History.

L. S. Feuer, Sociology.

B. T. Fitch, Trinity College, French Literature.

Paul W. Fox, Political Science.

J. H. Galloway, Geography.

David P. Gauthier, Philosophy.

Thomas A. Goudge, Philosophy.

J. W. Graham, Fine Arts.

P. F. Grendler, History.

J. F. G. Hodge, Economics.

J. S. Holladay Jr., University College, Archaeology.

W. E. McLeod, Victoria College, Archaeology.

Kenneth McNaught, History.

J. H. Munroe, Economics.

E. P. Neufeld, Economics.

J. E. Smith, Political Science.

F. E. Sparshott, Victoria College, Philosophy.

D. F. S. Thomson, University College, Classics.

EXHIBITIONS

ROM Saturday Morning Club. March 18 to April 5. ROM Lower Rotunda.

"McLaughlin Planetarium". "The Story of Eclipses". To Apr. 5. Tuesday to Friday, 3.30 and 8 p.m.; Saturday, 11 a.m., 2, 3.30, 5 and 8 p.m.; Sunday, 2, 3.30, 5 and 7.30 p.m. \$1. Children under eight not admitted to the Star Theatre.

"Narrative of Discovery". Rare books, pictures, early maps and charts trace the exploration of Canada from the 15th to 19th centuries. Sigmund Samuel Canadiana Building. To March 29.

Exhibition of sculpture by Maryon Kantaroff. Exhibition Gallery, Faculty of Architecture, Urban and Regional Planning and Landscape Architecture, College St. at Huron. Feb. 25 to March 11. 9 a.m. to 6 p.m. weekdays.

"Prisms of the Mind" — etchings by Italian engraver, Giovanni Batista Piranesi. ROM. Until March 19.

"Outport" — black and white photographs of Newfoundland by John Devisser. Until March 15.

Exhibition of artwork by children of the

Professor Dupré is appointed chairman of Political Economy

The appointment of Prof. J. Stefan Dupré as chairman of the Department of Political Economy, effective July 1, has been confirmed by the Board of Governors. Dr. Dupré succeeds Prof. W. T. Easterbrook, who is relinquishing the chairmanship to return to full-time teaching.

A member of the teaching staff at U of T since 1963, Dr. Dupré is a professor of political science and director of the Centre for Urban and Community Studies. His special fields of interest are Canadian and American government, with particular emphasis on inter-governmental relations and public information.

Born in Quebec City, Prof. Dupré took his B.A. at the University of Ottawa in 1955, his A.M. and Ph.D. at Harvard. He was on the staff at Harvard from 1957 until coming to Toronto.

Prof. Dupré was a Research Fellow at the Brookings Institution in Washington and a Ford Foundation Fellow at the University of Wisconsin. He has served as editorial director of the Ontario Committee on Taxation, as a member of the Science Council-Canada Council Study Group on Federal Support of University Research, and on the Ontario Civil Service Arbitration Board. He is at present a member of the National Research



Council and president of the Institute of Public Administration of Canada.

He is the author or co-author of four books and has written scholarly articles for more than a dozen other books and periodicals.

COMING EVENTS

MARCH (Continued from page 7)

16 MONDAY

Lecture "A New Theory of Tonal Rhythm". Prof. Peter Westergaard, Department of Music, Princeton University. Room 116 Edward Johnson Building. 4.10 p.m. (School of Graduate Studies and Graduate Department of Music)

17 TUESDAY

Lecture "Recent Studies of the Anodic Oxidation of the Metals and Alloys". Dr. Graham C. Wood, Senior Lecturer, University of Manchester Institute of Science and Technology. Room 157 Lash Miller Chemical Laboratories. 4 p.m. (School of Graduate Studies and the Department of Chemistry)

Seminars "Twelve Tone Polyphony". Prof. Peter Westergaard. Room 310 Edward Johnson Building. 10 a.m. to noon. (School of Graduate Studies and Graduate Department of Music)

"Byzantium and Crazy Jane". Prof. Nicholas Brooke. Rhodes Room, Trinity College. 4.30 p.m. (Graduate Department of English and School of Graduate Studies)

Music Noon Hour Concerts. Cindy Shuter, flute. School of Music Concert Hall, 273 Bloor Street West. 12.15 p.m. Free. (Royal Conservatory of Music)

Films Last in Civilization Films series. "The Fallacies of Hope" and "Heroic Materialism". ROM Theatre. 8.30 p.m. Founders of the film library and archives free; others a contribution of \$6 per person to the fund.

18 WEDNESDAY

Lecture "Mechanisms in Glucose Homeostasis". Dr. G. Hetenyi. Room 3227 Medical Sciences Building. 4 p.m. (Department of Physiology)

19 THURSDAY

Lecture Carl Orff's "Music for Children". Doreen Hall. Concert Hall, Edward Johnson Building. 2 p.m. (Faculty of Music)

Seminar "The Developing United States: Responses to Industrialization and Urbanization, 1865-1914" series. "The Urban Residential Pattern of a Plural Society: U.S. Cities 1865-1914". Prof. David Ward, Department of Geography, University of Wisconsin. Room 2053 New College. 3 p.m. (American Studies Committee)

Music Lilian Sukis, soprano. Concert Hall, Edward Johnson Building. 8.30 p.m. Tickets \$3, students \$2. (Faculty of Music)

20 FRIDAY

Party Faculty Club Wine and Cheese Party.

21 SATURDAY

Lecture "Latest Developments in Space Research". Bruce T. Lundin, Director, Lewis Research Centre, National Aeronautics Space Agency, U.S.A. Convocation Hall. 8.15 p.m. (Royal Canadian Institute)

22 SUNDAY

Music University of Toronto Concert Band. Conductors: Robert A. Rosevear, Herbert C. Mueller. MacMillan Theatre, Edward Johnson Building. 3 p.m. Free. (Faculty of Music)

24 TUESDAY

Lecture "Genetics of the Localization and Orientation of Subcellular Structure". Dr. T. M. Sonneborn, Department of Zoology, Indiana University, Bloomington. Room 432 Ramsay Wright Zoological Laboratories. 4 to 5 p.m. (School of Graduate Studies and Department of Zoology)

Seminar "Peripheral Inputs Controlling Swallowing". Dr. A. Storey. Room 2172 Medical Sciences Building. 4 p.m. (Department of Physiology)

Music Noon Hour Concerts. Frank Tetreau, piano. School of Music Concert Hall, 273 Bloor Street West. 12.15 p.m. Free. (Royal Conservatory of Music)

Children's Films ROM special children's one-hour film showings. Theatre. 11 a.m. and 2 p.m. March 24, 25 and 26. Free.

26 THURSDAY

Lecture Janos Liebner, viola da gamba and baryton. Concert Hall, Edward Johnson Building. 2 p.m. (Faculty of Music)

Seminar "The Developing United States: Responses to Industrialization and Urbanization, 1865-1914" series. "Industrialization and the Southern Dilemma: a Lost Cause?" Prof. Virginia Rock, Department of English, York University. Room 2053 New College. 3 p.m. (American Studies Committee)

27 FRIDAY

Supper Faculty Club Buffet Supper. 5.30-8 p.m.

31 TUESDAY

Music Noon Hour Concerts. Elizabeth Benson Guy, soprano. School of Music Concert Hall, 273 Bloor Street West. 12.15 p.m. Free. (Royal Conservatory of Music)

APRIL

1 WEDNESDAY

Lecture "Homeostatic Mechanisms of Glucose Independent of Insulin Variation". Dr. M. Vranic. Room 3227 Medical Sciences Building. 4 p.m. (Department of Physiology)

2 THURSDAY

Seminar "The Developing United States: Responses to Industrialization and Urbanization, 1865-1914" series. "The Church's Move into the Modern City". President Robert Cross, Swarthmore College. Room 2053 New College. 3 p.m. (American Studies Committee)

Music Faculty of Music Ensembles. Concert Hall, Edward Johnson Building. 2 p.m.

5 SUNDAY

Music Orford String Quartet. Andrew Dawes, Kenneth Perkins, violins. Terence Helmer, viola and Marcel St-Cyr, cello. Concert Hall, Edward Johnson Building. 8.30 p.m. Free. (Faculty of Music)

6 MONDAY

Dinner Faculty Club Honorary Members' dinner. Reception 6.15 p.m. and dinner 6.45 p.m.

7 TUESDAY

Seminar "Organization of Thermoregulation in the Hypothalamus". Dr. P. Gloor, Montreal Neurological Institute. Room 2172 Medical Sciences Building. 4 p.m. (School of Graduate Studies and Department of Physiology)

Music Noon Hour Concerts. Warren Mould, piano. School of Music Concert Hall. 273 Bloor Street West. 12.15 p.m. Free. (Royal Conservatory of Music)

9 THURSDAY

Seminar "The Developing United States: Responses to Industrialization and Urbanization, 1865-1914" series. "The Man-Sign: Charles Peirce and the Logic of Science". Prof. Emeritus Max Fisch, Department of Philosophy, State University of New York at Buffalo. Room 2053 New College. 3 p.m. (American Studies Committee)

SAC votes that *The Varsity* join CUP advertising cooperative

The Students' Administrative Council voted on Feb. 26 to have *The Varsity* join the Canadian University Press (CUP) advertising cooperative, which will sell space in student newspapers across the country to national advertisers.

Stewart Saxe, president of CUP, explained that many advertising agencies are unwilling to deal with individual student newspapers, but would be attracted by "package deals" offering regional or national student markets. Mr. Saxe predicted, as a conservative estimate, a 300% increase in national advertising through use of the co-op.

President Gus (Geste) Abols listed a number of criticisms, received from the SAC lawyers, of the two-year contract to be signed with Cameron Associates, the administrators of the plan.

Mr. Saxe replied to each point at some length, but told the council that CUP had decided not to permit any amendments of the contract, to ensure that all members would be on the same footing with the central agency.

The Varsity, said Mr. Saxe, would be in difficulty only if it found itself alone in its problems, facing the rest of the co-op; this would be very unlikely as long as all members participated on the same basis.

The council also passed the constitution of *The Varsity* Board, granting formal status to a body which have supervised *Varsity* practice for two years.

The board is now made up of the editor and past editor of *The Varsity*, three members appointed by SAC, two by the ATS, one by president Bissell, and five selected by the board itself. The constitution substitutes one member selected by the Graduate Students' Union for one of the ATS appointees.

Gary Thaler, chairman of the board and a past editor of the *McMaster Silhouette*, said that the board is not "estate-minded", but consists of individuals interested in student journalism. One of its purposes, said Mr. Thaler, is to keep *The Varsity* independent of direct political control.

An amendment to the draft constitution, suggested by a member of the board and passed by SAC, formally outlines the procedure for removal of the editor-in-chief.

He may now be removed by a majority vote of the board, taken after seven days notice, but not without a majority vote of *The Varsity* staff.

Brian Johnson, present editor-in-chief of *The Varsity*, approved of the formula, calling it "a very secure and tight way to lock up a very touchy question".

K Frank Austen is Farquharson Lecturer

The third Ray F. Farquharson Memorial Lecture will be given at Osler Hall, Academy of Medicine, Toronto, on Tuesday evening, March 24, at 8.30 p.m.

The lecturer will be Dr. K. Frank Austen, Professor of Medicine, Harvard Medical School, Physician-in-Chief, Robert B. Brigham Hospital.

His topic will be "Inborn and Acquired Anomalies of the Complement Systems in Man".

Dr. Austen will be visiting professor

at U of T from March 22 to March 25, and arrangements are being made to allow him to spend as much time as possible with students and residents.

The lectureship was established in 1968 to honour the late Dr. Farquharson, who was Professor of Medicine here from 1947 to 1960. The Memorial Fund in his name was started by contributions from his former resident physicians, with additional support from miscellaneous donations.